

June 29, 2018

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following approved changes will be implemented the week of July 2, 2018:

RFC 1111 – realtime-oni v1.0.2 - Modify the daily ONI (Oceanic Nino Index) updater to allow multiple averaging windows, and begin production of 1- and 14-day Nino 3.4 temperatures. To be implemented on July 3 at 1930Z.

The following RFCs are in progress:

None

The following NCO RFCs which may affect CPC are scheduled to be implemented the week of July 2:

RFC 4604 - Convert three IDP Phase-1 chassis in College Park to new configurations. This involves moving VMs and replacing legacy hardware. This will be done over a 3 week period (one chassis per week). No negative impact is expected, as all VMs are to be moved off the chassis before work begins. To be implemented beginning July 2 at 1400Z and should be completed on July 20.

The following NCO RFCs are in progress and may affect CPC:

RFC 4559 – Move 71 VMs from the old Vcenter in College Park to the new Vcenter in College Park. This RFC is dependent upon the successful start of RFC 4553. Implementation began on June 21 and is ongoing.

Ocean Prediction Center

The following accelerated items were implemented this past week:

RFC 1112 – ‘create_web_news_images.pl’ v2018.06.26 - OPC uses the daily National Ice Center daily North American Ice Service iceberg hazard chart on its website. The URL for that chart is now https-enabled, but there is a temporary certificate problem. This change allows OPC to access the NATICE website. OPC has reported the certificate error to NATICE IT personnel. Implemented on June 26 at 1300Z.

The following will be implemented the week of July 2, 2018:

RFC 1113 – ‘GoesE_sst_ascii.py’ v2018.07.02 - Add more error checking to GOES East SST scripts to handle missing SST variable in source file. This has been a common error in the source files lately and interferes with the compositing routine. To be implemented on July 2 at 1330Z.

The following RFCs are in progress:

None

The following NCO RFCs which may affect OPC are scheduled to be implemented the week of July 2:

RFC 4604 - Convert three IDP Phase-1 chassis in College Park to new configurations. This involves moving VMs and replacing legacy hardware. This will be done over a 3 week period (one chassis per week). No negative impact is expected, as all VMs are to be moved off the chassis before work begins. To be implemented beginning July 2 at 1400Z and should be completed on July 20.

The following NCO RFCs which were previously approved, then withdrawn, are now scheduled to be implemented the week of July 9:

RFC 4567 – Wxconnect v3.2.1 – Upgrade the current Wxconnect services on all of the data processing servers (all GWSAS DBP and SMS servers) to correct minor errors from old services, in order to improve server data processing functionality. Was to be implemented on June 25 – June 29, then withdrawn on June 22 because a newer release with additional functionality was to be released. This RFC was brought back because there are delays with the newer version. To be implemented on July 9 at:

NCWCP Spare, at 1200Z;
IRC HRB Spare, at 1300Z;
WFO HRB Spare, at 1400Z;
SPC West, at 1500Z; and
NHC Spare, at 1600Z.

To be implemented on July 10 at:

SWPC Spare, at 1200Z;
AWC Spare, at 1300Z;
NCWCP West, at 1400Z;
NHC West, at 1500Z;
AWC West, at 1600Z; and
SWPC West, at 1700Z.

To be implemented on July 12 at:

ARH GRB, at 1200Z;
SPC Spare, at 1300Z;
IRC GRB Spare, at 1400Z;
WFO HRB, at 1500Z;
SPC East, at 1600Z;
IRC GRB, at 1700Z; and
ARH GRB Spare, at 1800Z.

To be implemented on July 13 at:

NHC East, at 1200Z;
AWC East, at 1300Z;
NCWCP East, at 1400Z;
SWPC East, at 1500Z; and
IRC HRB, at 1600Z.

The following NCO RFCs are in progress and may affect OPC:

RFC 4559 – Move 71 VMs from the old Vcenter in College Park to the new Vcenter in College Park. This RFC is dependent upon the successful start of RFC 4553. Implementation began on June 21 and is ongoing.

The following NCO RFCs which may affect OPC were withdrawn:

RFC 4431 – Implement BOD 18-01 change on w2.weather.gov, airquality.weather.gov, mobile.weather.gov, and marine.weather.gov. Was to be implemented on May 15 at 1400Z; withdrawn on June 28, and will be resubmitted at a later date.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of July 2, 2018:

None

The following will be implemented the week of July 9, 2018:

RFC 1114 - This change replaces the old ENSQPF process running on the WPC Compute Farm with the new Multi-Model Ensemble QPF (MMEQPF) with downscaling to 5-km resolution and bias correction. The MMEQPF will support WPC QPF in the short and medium range time frames, providing a second opinion to the NBM QPF. To be implemented beginning July 10 at 1200Z and should be completed by July 31.

The following RFCs are in progress:

None

The following NCO RFCs which may affect WPC are scheduled to be implemented the week of July 2:

RFC 4604 - Convert three IDP Phase-1 chassis in College Park to new configurations. This involves moving VMs and replacing legacy hardware. This will be done over a 3 week period (one chassis per week). No negative impact is expected, as all VMs are to be moved off the chassis before work begins. To be implemented beginning July 2 at 1400Z and should be completed on July 20.

The following NCO RFCs which were previously approved, then withdrawn, are now scheduled to be implemented the week of July 9:

RFC 4567 – Wxconnect v3.2.1 – Upgrade the current Wxconnect services on all of the data processing servers (all GWSAS DBP and SMS servers) to correct minor errors from old services, in order to improve server data processing functionality. Was to be implemented on June 25 – June 29, then withdrawn on June 22 because a newer release with additional functionality was to be released. This RFC was brought back because there are delays with the newer version. To be implemented on July 9 at:

NCWCP Spare, at 1200Z;
IRC HRB Spare, at 1300Z;
WFO HRB Spare, at 1400Z;
SPC West, at 1500Z; and
NHC Spare, at 1600Z.

To be implemented on July 10 at:

SWPC Spare, at 1200Z;
AWC Spare, at 1300Z;
NCWCP West, at 1400Z;
NHC West, at 1500Z;
AWC West, at 1600Z; and
SWPC West, at 1700Z.

To be implemented on July 12 at:

ARH GRB, at 1200Z;
SPC Spare, at 1300Z;
IRC GRB Spare, at 1400Z;
WFO HRB, at 1500Z;
SPC East, at 1600Z;
IRC GRB, at 1700Z; and
ARH GRB Spare, at 1800Z.

To be implemented on July 13 at:

NHC East, at 1200Z;
AWC East, at 1300Z;
NCWCP East, at 1400Z;
SWPC East, at 1500Z; and
IRC HRB, at 1600Z.

The following NCO RFCs are in progress and may affect WPC:

RFC 4559 – Move 71 VMs from the old Vcenter in College Park to the new Vcenter in College Park. This RFC is dependent upon the successful start of RFC 4553. Implementation began on June 21 and is ongoing.

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.